

National Aeronautics and
Space Administration

Glenn Research Center
Lewis Field
Cleveland, Ohio 44135-3191



Materials Engineer Student Trainee Position

Research and Technology Directorate (5000)
NASA Glenn Research Center, Cleveland, OH

Job Description:	Co-op student will perform Materials Engineering and Science duties with rotation into various branches in the Research and Technology Directorate (5000), such as the Metallics Materials Branch (5120), Ceramics Branch (5130), Polymers Branch (5150), and Environmental Durability Branch (5160) of the Materials Division (5100); Electrochemistry Branch (5420) and Electro-Physics Branch (5480) of the Power and On-Board Propulsion Technology Division (5400); Sensors and Electronics Technology Branch (5510) of the Instrumentation and Controls Division (5500); and Life Prediction Branch (5920) of the Structures and Acoustics Division (5900). The student will work closely with researchers in some of these branches to develop and test advanced materials for high temperature propulsion, power and instrumentation applications. The student will perform experimental and computational research, which may include developing polymeric, metallic, ceramic and composite materials for high temperature applications, life prediction methods, environmental protective coatings, computational materials modeling, nanotechnology, materials for electrochemistry, fuel cell, and battery applications, and electronic materials. Complexity of the materials development or evaluation tasks will increase as the student gains experience.
Length of Position:	Alternating quarters/semesters until graduation.
Job Openings:	1 position available
Eligibility:	Junior and/or Senior in Materials Science or Engineering, Chemistry, Chemical Engineering, Physics Minimum entry GPA 3.0 (4.0 scale) United States Citizen Enrolled as a full-time student Enrolled in university's co-op program Must be recommended by appropriate staff member at University.
Salary Range:	\$9.57 - 14.89 per hour (based on 2002 salary table)
Closing Date:	Until filled
Send Applications to:	Mr. Michael Goin, MS 15-4 Cooperative Education Coordinator NASA Glenn Research Center 21000 Brookpark Rd Cleveland, OH 44135-3191 Michael.W.Goin@grc.nasa.gov